

SEQUENCE LISTING

<110> Robbins, David
 Lin-Goerke, Juili L.
 Ling, Jessica

<120> Novel Mutations in Human MLH1 and MSH2 Genes Useful in
 Diagnosing Colorectal Cancer

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gttgacagttt catcactgtc tgcggtaatc aagtttttag aactcttacc agatgattcc 60
aactttggac agtttgaact gactactttt gacttcagcc agtatatgaa attggatatt 120
gcagcagtca gagcccttaa ccttttttcag 150

<210> 126
<211> 23
<212> DNA
<213> Homo sapiens

<400> 126
gtaaaaaaaa aaaaaaaaaa aaa 23

<210> 127
<211> 22
<212> DNA
<213> Homo sapiens

<400> 127
aaaagggtta aaaatggtga tt 22

<210> 128
<211> 13
<212> DNA
<213> Homo sapiens

<400> 128
ttaaaaaatg ttt 13

<210> 129
<211> 23
<212> DNA
<213> Homo sapiens

<400> 129
cattgacata tactgaagaa gct 23

<210> 130
<211> 27
<212> DNA
<213> Homo sapiens

<400> 130
tataaaggag ctaaaatatt tggaaat 27

<210> 131
<211> 43

<212> DNA
<213> Homo sapiens

<400> 131
attatacttg gattagataa ctagctttaa atgggtgat ttt 43

<210> 132
<211> 22
<212> DNA
<213> Homo sapiens

<400> 132
ttcactaatg agcttgccat tc 22

<210> 133
<211> 26
<212> DNA
<213> Homo sapiens

<400> 133
tttctatttt attttttggt tactag 26

<210> 134
<211> 134
<212> DNA
<213> Homo sapiens

<400> 134
ggttctgttg aagataccac tggctctcag tctctggctg ccttgctgaa taagtgtaaa 60
accctcaag gacaaagact tgtaaccag tggattaagc agcctctcat ggataagaac 120
agaatagagg agag 134

<210> 135
<211> 44
<212> DNA
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<400> 135
gtatgttatt agtttatact ttcgttagtt ttatgtaacc tgca 44

<210> 136
<211> 20
<212> DNA
<213> Homo sapiens

<400> 136
gttaccacaca tgattatacc 20

<210> 137
<211> 20
<212> DNA
<213> Homo sapiens

<400> 137
cttacgtgct tagttgataa 20

<210> 138
<211> 53
<212> DNA
<213> Homo sapiens

<400> 138
attttaattt tataactaaaa tattttacat taattcaagt taatttattt cag 53

<210> 139
<211> 200
<212> DNA
<213> Homo sapiens

<400> 139
attgaattta gtggaagctt ttgtagaaga tgcagaattg aggcagactt tacaagaaga 60
tttacttcgt cgattcccag atcttaaccg acttgccaag aagtttcaaa gacaagcagc 120
aaacttaciaa gattgttacc gactctatca gggataaat caactaccta atgttatata 180
ggctctggaa aaacatgaag 200

<210> 140
<211> 24
<212> DNA
<213> Homo sapiens

<400> 140
gtaacaagtg attttgtttt ttg 24

<210> 141
<211> 24
<212> DNA
<213> Homo sapiens

<400> 141
ttttccttca actcatacaa tata 24

<210> 142
<211> 26
<212> DNA
<213> Homo sapiens

<400> 142
tttgtattct gtaaaatgag atcttt

26

<210> 143
<211> 30
<212> DNA
<213> Homo sapiens

<400> 143
ttatttgttt gttttactac tttcttttag

30

<210> 144
<211> 110
<212> DNA
<213> Homo sapiens

<400> 144
gaaaacacca gaaattattg ttggcagttt ttgtgactcc ttttactgat cttcgttctg 60
acttctccaa gtttcaggaa atgatagaaa caactttaga tatggatcag 110

<210> 145
<211> 26
<212> DNA
<213> Homo sapiens

<400> 145
gtatgcaata tacttttttaa tttaag

26

<210> 146
<211> 25
<212> DNA
<213> Homo sapiens

<400> 146
cagtagttat ttttaaaaag caaag

25

<210> 147
<211> 23
<212> DNA
<213> Homo sapiens

<400> 147
ctttacccat tatttatagg att

23

<210> 148
<211> 23
<212> DNA
<213> Homo sapiens

<400> 148
ttgtcacttt gttctgtttg cag

23

<210> 149
<211> 124
<212> DNA
<213> Homo sapiens

<400> 149
gtggaaaacc atgaattcct tgtaaaacct tcatttgatc ctaatctcag tgaattaaga 60
gaaataatga atgacttgga aaagaagatg cagtcaacat taataagtgc agccagagat 120
cttg 124

<210> 150
<211> 20
<212> DNA
<213> Homo sapiens

<400> 150
gtaagaatgg gtcattggag

20

<210> 151
<211> 23
<212> DNA
<213> Homo sapiens

<400> 151
gttggaataa ttcttttgtc tat

23

<210> 152
<211> 25
<212> DNA
<213> Homo sapiens

<400> 152
tagtaggtat ttatggaata ctttt

25

<210> 153
<211> 22
<212> DNA
<213> Homo sapiens

<400> 153
tcttttcttc ttgtttatca ag

22

<210> 154
<211> 151

<212> DNA
<213> Homo sapiens

<400> 154
gcttggaccc tggcaaacag attaaactgg attccagtgc acagtttgga tattactttc 60
gtgtaacctg taaggaagaa aaagtccttc gtaacaataa aaactttagt actgtagata 120
tccagaagaa tgggtgttaa tttaccaaca g 151

<210> 155
<211> 36
<212> DNA
<213> Homo sapiens

<400> 155
gtttgtaagt cattattata tttttaaccc ttatt 36

<210> 156
<211> 21
<212> DNA
<213> Homo sapiens

<400> 156
aattccctaa atgctctaac a 21

<210> 157
<211> 21
<212> DNA
<213> Homo sapiens

<400> 157
cattgcttct agtacacatt t 21

<210> 158
<211> 36
<212> DNA
<213> Homo sapiens

<400> 158
taatattttt aataaaactg ttatttcgat ttgcag 36

<210> 159
<211> 98
<212> DNA
<213> Homo sapiens

<400> 159
caaattgact tctttaaatg aagagtatac caaaaataaa acagaatatg aagaagccca 60
ggatgccatt gttaaagaaa ttgtcaatat ttcttcag 98

<210> 160
<211> 19
<212> DNA
<213> Homo sapiens

<400> 160
gtaaacttaa tagaactaa 19

<210> 161
<211> 21
<212> DNA
<213> Homo sapiens

<400> 161
taatgttctg aatgtcacct g 21

<210> 162
<211> 21
<212> DNA
<213> Homo sapiens

<400> 162
tcagtattcc tgtgtacatt t 21

<210> 163
<211> 21
<212> DNA
<213> Homo sapiens

<400> 163
tctgttttta tttttataca g 21

<210> 164
<211> 246
<212> DNA
<213> Homo sapiens

<400> 164
gctatgtaga accaatgcag acactcaatg atgtgttagc tcagctagat gctgttgtca 60
gctttgctca cgtgtcaa at ggagcacctg ttccatatgt acgaccagcc attttggaga 120
aaggacaagg aagaattata ttaaaagcat ccaggcatgc ttgtgttgaa gttcaagatg 180
aaattgcatt tattccta at gacgtatact ttgaaaaaga taaacagatg ttccacatca 240
ttactg 246

<210> 165
<211> 16
<212> DNA

<213> Homo sapiens

<400> 165

gtaaaaaacc tggttt

16

<210> 166

<211> 19

<212> DNA

<213> Homo sapiens

<400> 166

ttgggctttg tgggggtaa

19

<210> 167

<211> 19

<212> DNA

<213> Homo sapiens

<400> 167

cgattaatca tcagtgtac

19

<210> 168

<211> 78

<212> DNA

<213> Homo sapiens

<400> 168

agtttaggac taacaatcca tttattagta gcagaaagaa gtttaaaatc ttgctttctg 60
atataatttg tttttagtag 78

<210> 169

<211> 205

<212> DNA

<213> Homo sapiens

<400> 169

gccccaatat gggaggtaaa tcaacatata ttcgacaaac tggggtgata gtactcatgg 60
cccaaatttg gtgttttgtg ccatgtgagt cagcagaagt gtccattgtg gactgcatct 120
tagcccagat aggggctggt gacagtcaat tgaaaggagt ctccacgttc atggctgaaa 180
tgttggaaac tgcttctatc ctacg 205

<210> 170

<211> 23

<212> DNA

<213> Homo sapiens

<400> 170

gtaagtgcac ctccatgtcc ctt

23

<210> 171
<211> 23
<212> DNA
<213> Homo sapiens

<400> 171
gaagatagaa atgtatgtct ctg 23

<210> 172
<211> 21
<212> DNA
<213> Homo sapiens

<400> 172
ccacatttta tgtgatggga a 21

<210> 173
<211> 24
<212> DNA
<213> Homo sapiens

<400> 173
atttcattgta attatgtgct tcag 24

<210> 174
<211> 248
<212> DNA
<213> Homo sapiens

<400> 174
gtctgcaacc aaagattcat taataatcat agatgaattg ggaagaggaa cttctaccta 60
cgatggattt gggtagcat gggctatata agaatacatt gcaacaaaga ttggtgcttt 120
ttgcatgttt gcaaccatt ttcattgaact tactgccttg gccaatcaga taccaactgt 180
taataatcta catgtcacag cactcaccac tgaagagacc ttaactatgc tttatcaggt 240
gaagaaaag 248

<210> 175
<211> 56
<212> DNA
<213> Homo sapiens

<400> 175
gtatgtacta ttggagtact ctaaattcag aacttggtta tgggaaactt actacc 56

<210> 176
<211> 19
<212> DNA

<213> Homo sapiens

<400> 176

cttctcatgc tgccccctc

19

<210> 177

<211> 23

<212> DNA

<213> Homo sapiens

<400> 177

acgcttcccc aaattttctta tag

23

<210> 178

<211> 176

<212> DNA

<213> Homo sapiens

<400> 178

gtgtctgtga tcaaagtttt gggattcatg ttgcagagct tgctaatttc cctaagcatg 60
taatagagtg tgctaaacag aaagccctgg aacttgagga gtttcagtat attggagaat 120
cgcaaggata tgatatcatg gaaccagcag caaagaagtg ctatctggaa agagag 176

<210> 179

<211> 17

<212> DNA

<213> Homo sapiens

<400> 179

gtttgtcagt ttgtttt

17

<210> 180

<211> 21

<212> DNA

<213> Homo sapiens

<400> 180

catagtttaa cttagcttct c

21

<210> 181

<211> 21

<212> DNA

<213> Homo sapiens

<400> 181

attactcatg ggacattcac a

21

<210> 182

<211> 10
<212> DNA
<213> Homo sapiens

<400> 182
tgtgttttcag 10

<210> 183
<211> 171
<212> DNA
<213> Homo sapiens

<400> 183
caagggtgaaa aaattattca ggagttcctg tccaagggtga aacaaatgcc ctttactgaa 60
atgtcagaag aaaacatcac aataaagtta aaacagctaa aagctgaagt aatagcaaag 120
aataatagct ttgtaaatga aatcatttca cgaataaaaag ttactacgtg a 171

<210> 184
<211> 20
<212> DNA
<213> Homo sapiens

<400> 184
atcccagtaa tggaatgaag 20

<210> 185
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 185
tgtaaaacga cggccagtct gaggtgattg gctgaag 37

<210> 186
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 186
ggaaacagct atgaccatgc cgттаagtсg tagccctt 38

<210> 187

<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 187
tgtaaaacga cggccagtcg attaatcatc agtgtac 37

<210> 188
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 188
ggaaacagct atgaccatgc agagacatac atttctatct tc 42

<210> 189
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 189
tgtaaaacga cggccagtcg cattttcttc aaccagga 38

<210> 190
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 190
ggaaacagct atgaccatgc ctccccagca cgcgcc 36

<210> 191
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 191

ggccattgtc acagaggata aga

23

<210> 192

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 192

acacagccca cgaaggagtg

20